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W Zhang, H Yang - Computers and Structures, 2001 - Elsevier

... 2. Formulation of the multicriteria **optimization** problem by the ... If the **Pareto** optimum curve is smooth and C 1 continuous, its **gradient** then corresponds to ...

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RAE Maekinen, J Periaux, J Toivanen - International Journal for Numerical Methods in Fluids, 1999 - doi.wiley.com

... interest is to give several **Pareto** optimal solutions ... shown to be robust adaptive **optimization** methods with ... minimum [9]. Without any **gradient** information, they ...

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M Kirley - Evolutionary Computation, 2001. Proceedings of the 2001 ..., 2001 - ieeexplore.ieee.org

... and a novel environmental **gradient** aggregation technique - ... or multi-objective **optimisation** problems, there are ... function aggregation to **Pareto**-based algorithms. ...

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AN Voronin - Cybernetics and Systems Analysis, 1994 - Springer

... Available versions of **gradient** methods rely on local ... D-splitting method with further **optimization** of the ... Another example is computing the **Pareto**-optimal domain ...

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FY Cheng, D Li - AIAA Journal, 1998 - pdf.aiaa.org

... technique. It requires no **gradient** information and ... 2 **Pareto** GA for multiobjective **optimization** with constraints. ... nonlinear formulation. In a **Pareto** GA dealing ...

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GA Teters, AF Kregers - Mechanics of Composite Materials, 1996 - Springer

... ny-dimensioned grid, or the **gradient** method is ... Cases when direct methods of **optimization**

are ineffective ... a procedure for determination of the **Pareto** region have ...

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S Harries, F Valdenazzi, C Abt, U Viviani - 6th International Conference on Fast Sea

Transportation, ..., 2001 - marsys.tu-berlin.de

... **optimization**, the so-called **Pareto** frontier, that ... method allowing single- objective **optimization**, a simplex ... algorithm following a **gradient** search technique for ...

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BH Dennis, IN Egorov, ZX Han, GS Dulikravich, C ... - AIAA Multidisciplinary Analysis and Optimization Conference ..., 2000 - pdf.aiaa.org

... Classical **gradient** based **optimization** algorithms are capable, under ... In the **Pareto** front we chose to ... Although the **optimization** problem seemed relatively easy ...

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KC Tan, TH Lee, EF Khor - Artificial Intelligence Review, 2002 - Springer

... methods, EAs require no **gradient** information, which ... of elements in evolutionary MO **optimization** approaches ... **Pareto** It uses **Pareto** dominance scheme defined in eqn ...

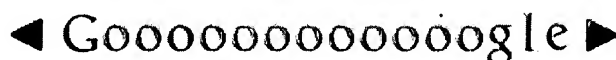
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[book] Elements of Structural Optimization - all 2 versions »

RT Haftka - 1992 - books.google.com

... 5.5 **Gradient** Projection and Reduced **Gradient** Methods ... For structural **optimization** problems, weight, dis ... first to apply Edgeworth-**Pareto** optimallyto structural ...

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